

Remarks

Claims 1-14, 16, and 17 were rejected under 35 USC §102(b) as being anticipated by Agarwal. Claims 1-14, 16, and 17 were rejected under 35 USC §102(e) as being anticipated by Wade. In response, all claims were canceled with claims 18-29 being added.

Regarding all newly added claims, these claims all contain the specific limitation that a first vector arithmetic logic unit has a first, a second, and a third vector input, with the third vector input conditionally controlling operations on the fields of the first and the second vectors. Additionally, a second vector arithmetic logic unit is provided, operating on the first and the second vectors and outputting a result that additionally conditionally controls operations of the first vector arithmetic unit.

Analysis of the prior art reveals that the prior art fails to teach or otherwise suggest a first and a second arithmetic logic unit, with the output of the second arithmetic logic unit conditionally controlling the output of the first vector arithmetic logic unit. In fact, analysis of the prior art reveals that the prior art fails to teach any conditional control of an arithmetic logic unit. Because of this, newly added claims 18-27 are allowable over the prior art of record.

No amendment made was related to the statutory requirements of patentability unless expressly stated herein; and no amendment made was for the purpose of narrowing the scope of any claim, unless Applicant has argued herein that such amendment was made to distinguish over a particular reference or combination of references. As the Applicant has overcome all substantive rejections given by the Examiner the Applicant contends that this Amendment, with the above discussion, overcomes the Examiner's rejections to the pending claims. Therefore, the Applicant respectfully requests allowance of the application. If the Examiner is of the opinion that any issues regarding the status of the claims remain after this response, the Examiner is invited to contact the undersigned representative to expedite resolution of the matter. Finally, please charge any fees (including extension of time fees) or credit overpayment to Deposit Account No. 502117.

Respectfully Submitted,
Desai, ET AL.



by: _____

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